



Attorney Docket No. ATI-214

#14/ Amoldt  
Bentley  
7/28/01

**UNITED STATES PATENT AND TRADEMARK OFFICE**

Ex. G. Arthur

Art Unit: 3661

Re: Application of:

David S. Breed et al.

Serial No.:

09/474,147

Filed:

December 29, 1999

For:

System for Determining the Occupancy State of a Seat in a Vehicle

RECEIVED

JUL 27 2001

TO 3600 MAIL ROOM

**AMENDMENT**

Honorable Commissioner for Patents  
Washington, D.C. 20231

July 19, 2001

Dear Sir:

In response to the Office Action dated April 27, 2001, please amend the above-identified application as follows.

**IN THE CLAIMS:**

Please cancel claims 2, 4, 24 and 66-69 without prejudice.

Please rewrite claims 1, 3, 5, 25, 31, 32, 34, 49, 51-53 and 61 as follows (a marked-up version of these claims showing deletions crossed-out and additions underlined is attached hereto).

1. (Rewritten) A system for determining the occupancy state of a seat in a vehicle in combination with the vehicle, the system comprising:

a plurality of transducers arranged in the vehicle, each of said transducers providing data relating to the occupancy state of the seat; and

processor means coupled to said transducers for receiving the data from said transducers and processing the data to obtain an output indicative of the current occupancy state of the seat, said processor means comprising a trained pattern recognition algorithm created from a plurality of data sets, each of said data sets representing a different occupancy state of the seat and being formed from data from said transducers while the seat is in that occupancy state;

said trained pattern recognition algorithm producing the output indicative of the current occupancy state of the seat upon inputting a data set representing the current occupancy state of the seat and being formed from data from said transducers.

I hereby certify that this correspondence and/or fee is being deposited with the United States Postal Service as first class mail in an envelope addressed to the "Assistant Commissioner for Patents, Washington, D.C. 20231" on July 19, 2001.

Brian Roffe, Esq.

*Brian Roffe*

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